

# Solar 101

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# **Solar Energy Choices**

**Hot Water - Pool Heating  
Electric - Landscape Lighting  
Water Pumping**

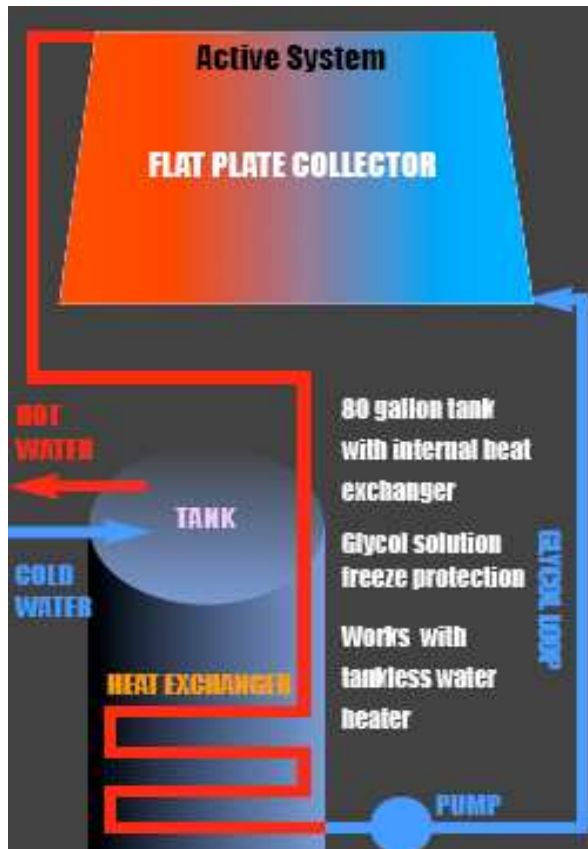
**Also Tankless Water Heater and  
Energy Savings Strategies**



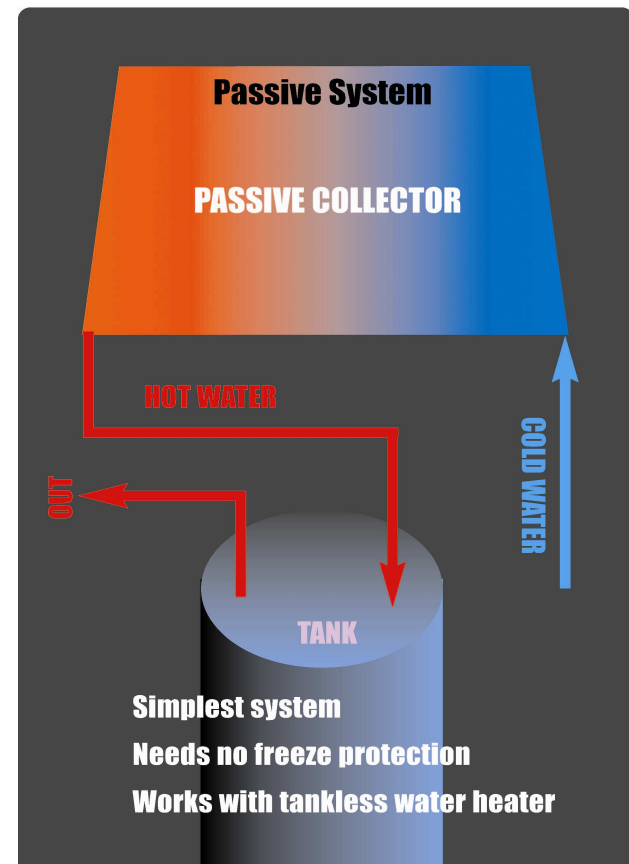
**SOLAR  
HOT  
WATER**

# Domestic Hot Water

Active System



Passive System

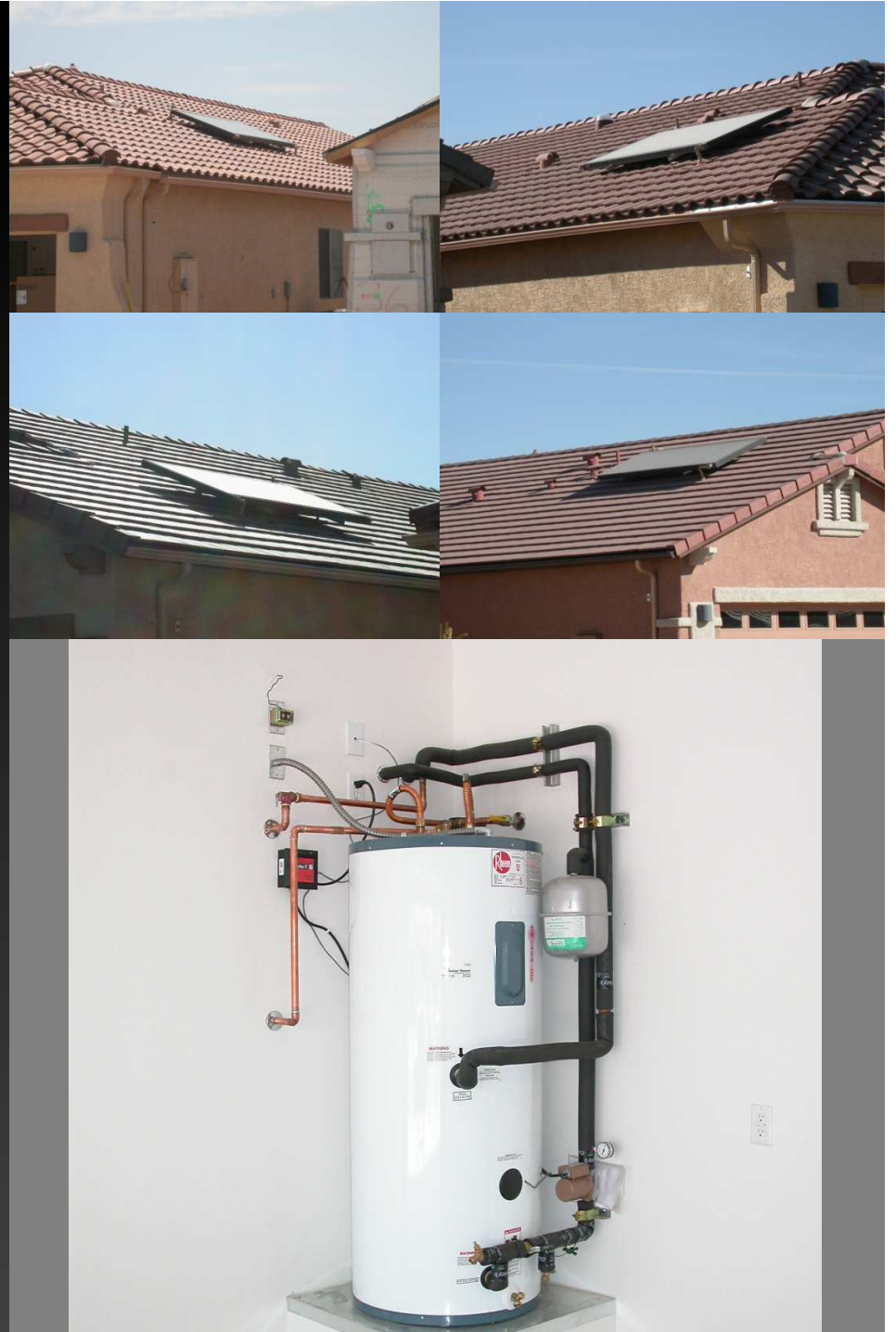


# ACTIVE SYSTEM

**Most energy efficient**

**Easy maintenance**

**Freeze protected**



# PASSIVE SYSTEM

**Low maintenance**

**No pump or controller**

**Use existing tank**





**SOLAR  
HOT  
WATER**

## Economics

### Active System

\$5,450

(1,177) Fed Tax Credit

(1,000) AZ Tax Credit

(1,515) TEP Rebate

\$ 1,758 Out of Pocket

### Passive System

\$5,650

(1,305) Fed Tax Credit

(1,000) AZ Tax Credit

(1,300) TEP Rebate

\$2,045 Out of Pocket



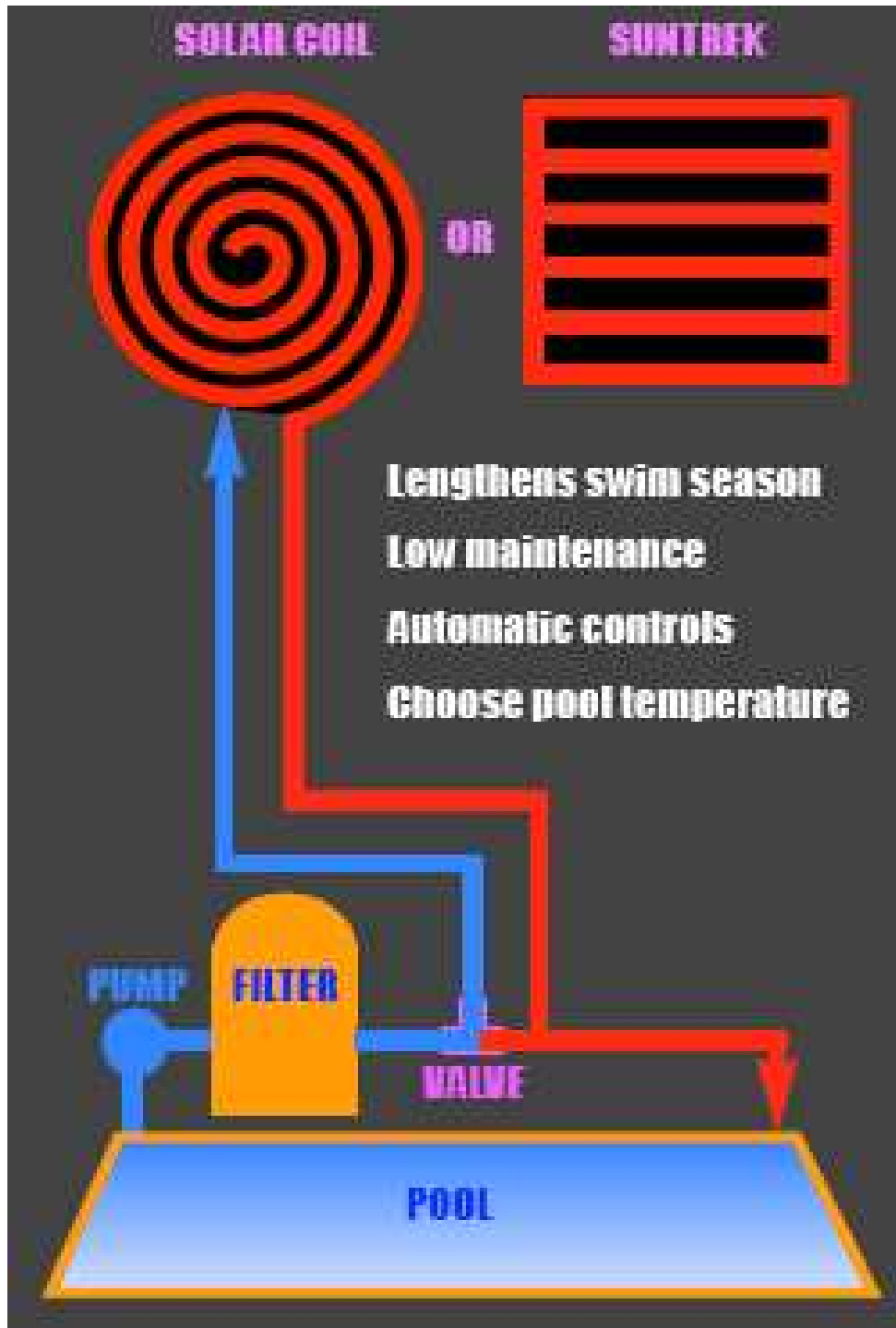
# Radiant Floor Heating





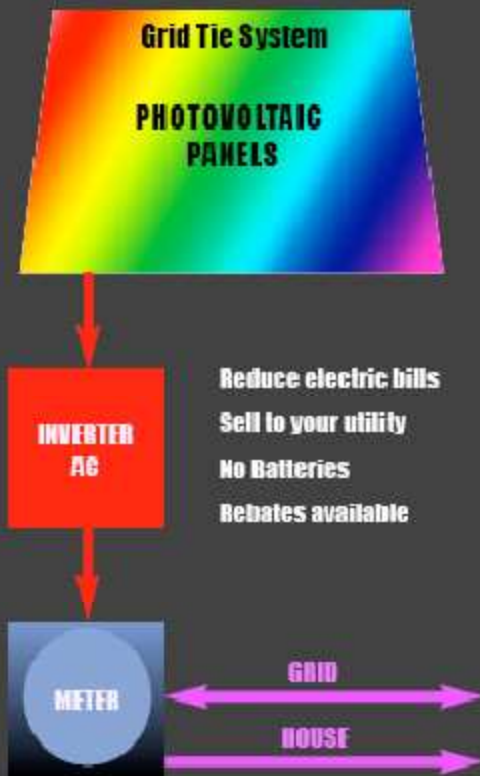


# SOLAR POOL HEATING





**SOLAR  
ELECTRIC**



Reduce electric bills  
Sell to your utility  
No Batteries  
Rebates available

# GRID TIE

## Reduce utility bill

























**SOLAR**  
**ELECTRIC**

## Economics

2,000 Watt System

\$14,300

(6,300) Utility Rebate

(2,430) Federal Tax Credit

(1,000) AZ Tax Credit

\$4,700 Out of Pocket

\$400/year savings

5,000 Watt System

\$29,000

(14,500) Utility Rebate

(4,350) Federal Tax Credit

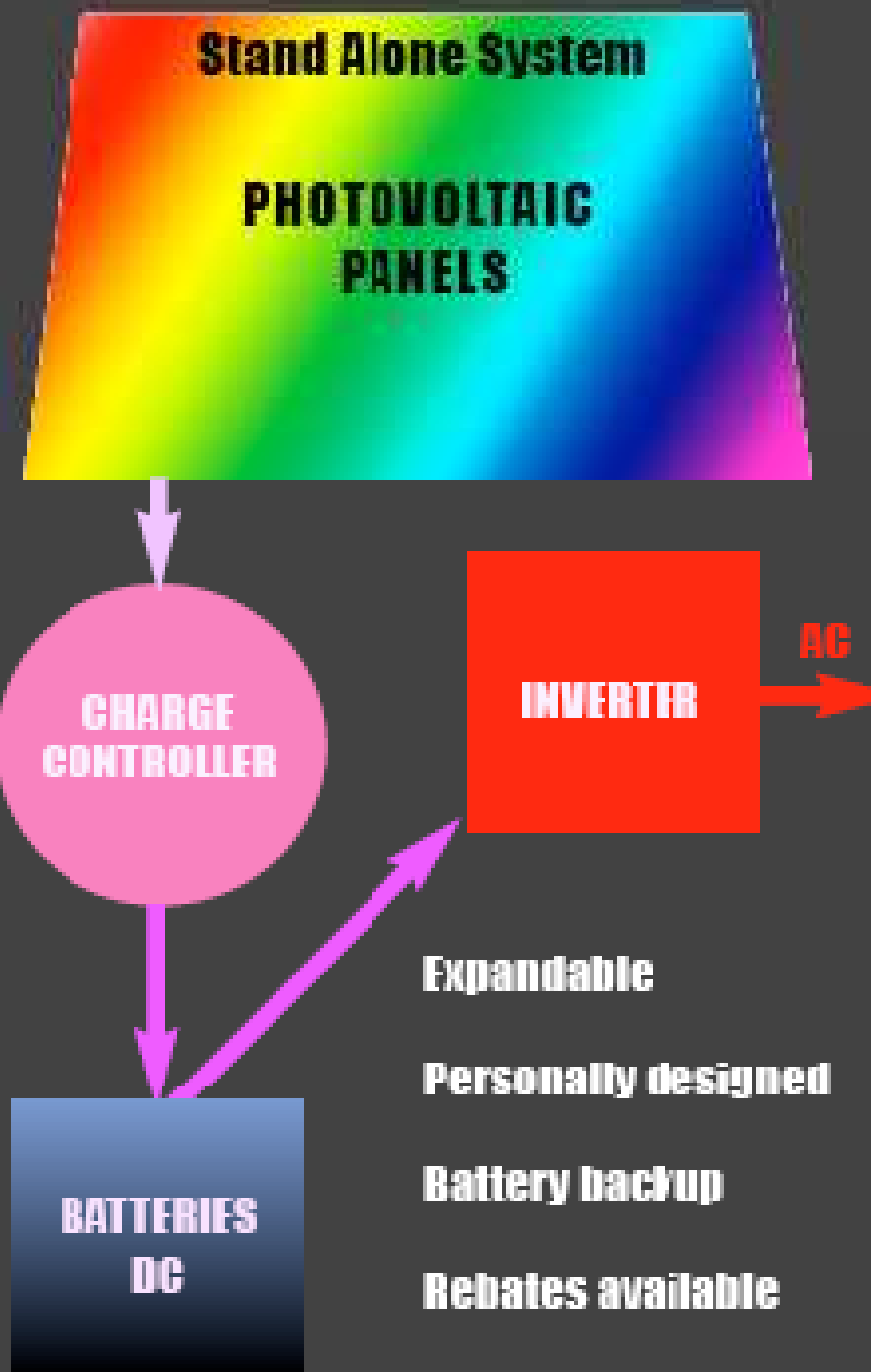
(1,000) AZ Tax Credit

\$9,150 Out of Pocket

\$975/year savings

# STAND ALONE

**Make your own power**









LANDSCAPE  
WELL PUMPING  
WIND POWER

**Landscape**




**Wind Power**



**Well pumping**





Save Energy, Save Money,  
Think Solar

